YELAHANKA ZONE

NAME OF WORK : PROVIDING AND FIXING COBBLE STONE PATHWAY AT YELAHANKA NEW TOWN 5th PHASE IN WARD NO.02 OF YELAHANKA SUB-DIVISION

							Estimate Cost Rs.	25.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
		Cum							
	for pathway		1	20.00	17.00	0.30	102.00		
			1	15.00	$\frac{30+15}{2}$	0.40	135.00		
			1	27.00	13.00	0.40	140.40		
			1	4.00	3.00	0.40	4.80		
			1	10.00	$\frac{2.5+8.5}{2}$	0.30	16.50		
			1	13.00	$\frac{8.5+22}{2}$	0.40	79.30		
			1	13.00	4.00	0.30	15.60		
	Deduct R.O Plant		-1	6.90	6.60	0.30	-13.66		
							479.94	166.42	**79871.28**
	Basic Rate	157.00							
	Area Weightage @ 6%	9.42							
	Total	**166.42**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.1			**479.94**	100.00	**47993.80**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
3	KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification No. 305, P No. 148/ Item No. 19.60								
		Cum							
	for pathway		1	20.00	17.00	0.30	102.00		
			1	15.00	$\frac{30+15}{2}$	0.30	101.25		
			1	27.00	12.20	0.30	98.82		
			1	4.00	3.00	0.30	3.60		
			1	10.00	$\frac{2.5+8.5}{2}$	0.30	16.50		
			1	13.00	$\frac{8.5+22}{2}$	0.30	59.48		
			1	13.00	4.00	0.30	15.60		
	Deduct R.O Plant		-1	6.90	6.60	0.30	-13.66		
							383.58	**320.12**	**122792.59**
	Basic Rate	302.00							
	Area Weightage @ 6%	18.12							
	Total	**320.12**							
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							
	for pathway		1	20.00	17.00	0.125	42.50		
			1	15.00	$\frac{30+15}{2}$	0.125	42.19		
			1	27.00	11.00	0.125	37.13		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	4.00	3.00	0.125	1.50		
			1	10.00	$\frac{2.5+8.5}{2}$	0.125	6.88		
			1	13.00	$\frac{8.5+22}{2}$	0.125	24.78		
			1	13.00	4.00	0.125	6.50		
	Deduct R O Plant		-1	6.90	6.60	0.125	-5.69		
							155.78	5159.02	**803652.79**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
5	KSRB 14.6-2 : Providing and laying **heavy duty cobble stones 60 mm** thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (P No. 101 / Item No. 14.6)								
		Sqm							
	for pathway		1	20.00	17.00		340.00		
			1	15.00	$\frac{30+15}{2}$		337.50		
			1	27.00	12.20		329.40		
			1	4.00	3.00		12.00		
			1	10.00	$\frac{2.5+8.5}{2}$		55.00		
			1	13.00	$\frac{8.5+22}{2}$		198.25		
			1	13.00	4.10		53.30		
	Deduct R O Plant		-1	6.90	6.60		-45.54		
							1279.91	966.72	**1237314.60**
	Basic Rate	912.00							
	Area Weightage @ 6%	54.72							
	Total	**966.72**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
7	KSRB 15-19.2 :Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page no.121 / It no.15.80)								
		Sqm		10			8.00		
			2	100.00		0.40	80.00	22.56	220.48
							80.00	28.08	2246.40
	Basic Rate	26.00							
	Area Weightage @ 8%	2.08	1.56						
	Total	**28.08**	22.56						
8	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.182 & Item No.24.1)								
		Sqm						63.60	508.80
				Qty Vide Item No.7			80.00	64.80	5184.00
	Basic Rate	60.00							
	Area Weightage @ 8%	4.80	3.60						
	Total	**64.80**	63.60						2292354
							Sub-Total Amount		2291815.72
9	9% for KRIDL Charges								206263.41
10	Miscellaneous and unforeseen charges	LS							1333.27 1920.87
							Grand Total Amount		2500000.00

(RupeesTwenty Five Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval
Accorded For 25.00 lakh Rs
Head of A/C P-3111
CER NO : 553 Dt: 04.01.17

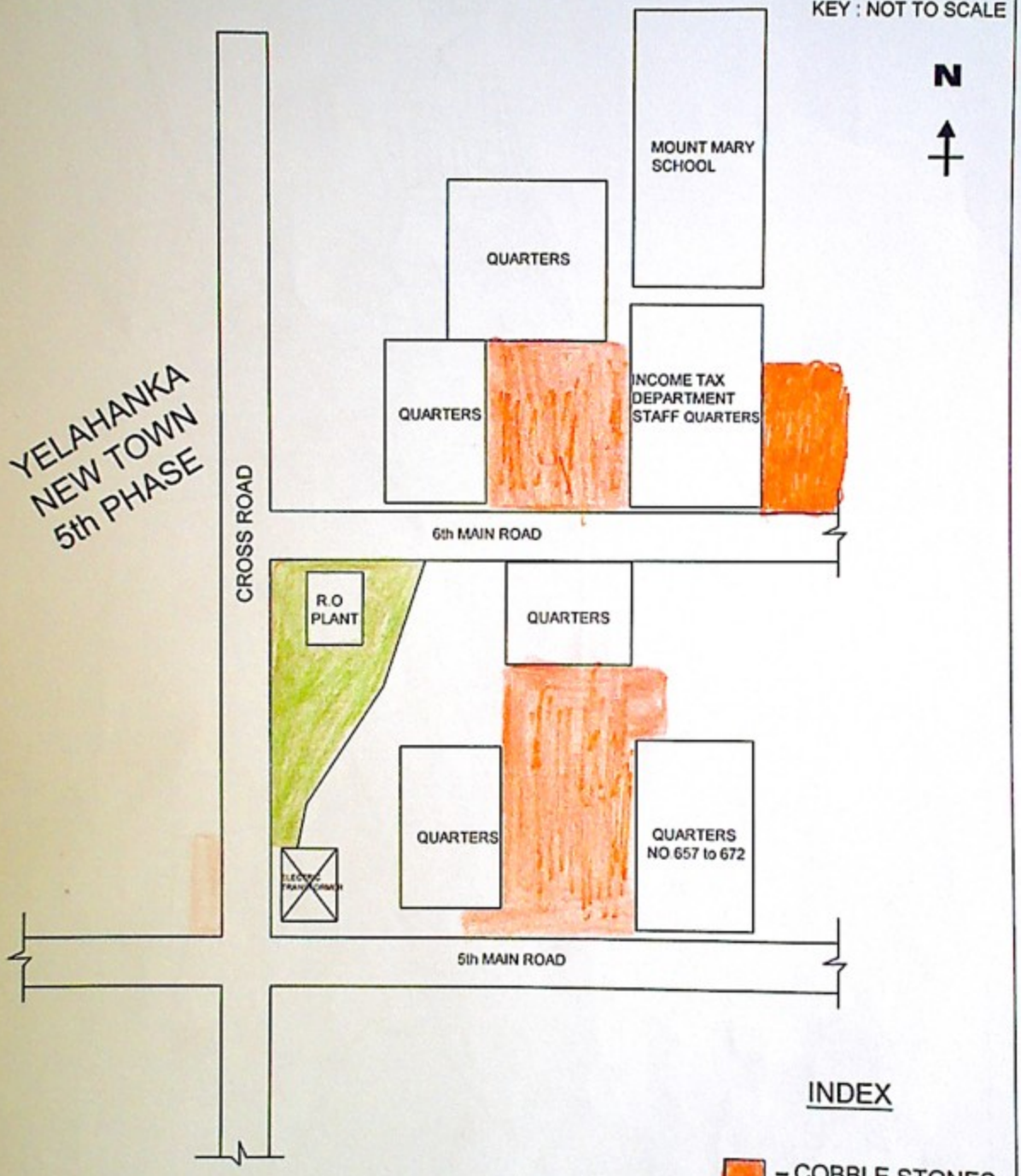
TA CE (YNK)

Technical Sanction
Accorded For 25.00 lakh Rs
Head of A/C P-3111
CER NO : 92 Dt: 04.01.17

TA CE (YNK)

NAME OF WORK : PROVIDING AND FIXING COBBLE STONE PATHWAY AT YELAHANKA NEW TOWN 5th PHASE IN WARD NO.02 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE



INDEX

– COBBLE STONES

– Earthwork Excavation

Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P